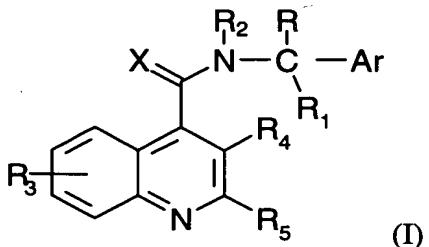


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(Amended) A compound, or solvate or salt thereof, of formula (I):



(I)

in which:

Ar is an optionally substituted phenyl group, or a naphthyl or C<sub>5</sub>-7 cycloalkdienyl group, or an optionally substituted single or fused ring heterocyclic group, having aromatic character, containing from 5 to 12 ring atoms and comprising up to four hetero-atoms in the or each ring selected from S, O, N;

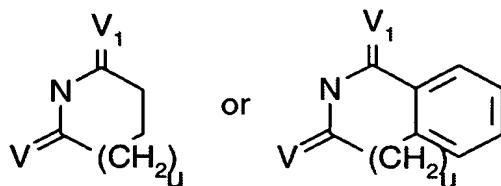
R is linear or branched C<sub>1</sub>-8 alkyl, C<sub>3</sub>-7 cycloalkyl, C<sub>4</sub>-7 cycloalkylalkyl, an optionally substituted phenyl group or a phenyl C<sub>1</sub>-6 alkyl group, an optionally substituted five-membered heteroaromatic ring comprising up to four heteroatoms selected from O and N, hydroxy C<sub>1</sub>-6 alkyl, amino C<sub>1</sub>-6 alkyl, C<sub>1</sub>-6 alkylaminoalkyl, di C<sub>1</sub>-6 alkylaminoalkyl, C<sub>1</sub>-6 acylaminoalkyl, C<sub>1</sub>-6 alkoxyalkyl, C<sub>1</sub>-6 alkylcarbonyl, carboxy, C<sub>1</sub>-6 alkoxyxcarbonyl, C<sub>1</sub>-6 alkoxy carbonyl C<sub>1</sub>-6 alkyl, aminocarbonyl, C<sub>1</sub>-6 alkylaminocarbonyl, di C<sub>1</sub>-6 alkylaminocarbonyl, halogeno C<sub>1</sub>-6 alkyl; or is a group -(CH<sub>2</sub>)<sub>p</sub>- when cyclized onto Ar, where p is 2 or 3[.]

R<sub>1</sub> and R<sub>2</sub>, which may be the same or different, are independently hydrogen or C<sub>1</sub>-6 linear or branched alkyl, or together form a -(CH<sub>2</sub>)<sub>n</sub>- group in which n represents 3, 4, or 5; or R<sub>1</sub> together with R forms a group -(CH<sub>2</sub>)<sub>q</sub>-, in which q is 2, 3, 4 or 5[.]

R<sub>3</sub> and R<sub>4</sub>, which may be the same or different are independently hydrogen, C<sub>1</sub>-6 linear or branched alkyl, C<sub>1</sub>-6 alkenyl, aryl, C<sub>1</sub>-6 alkoxy, hydroxy, halogen, nitro, cyano, carboxy, carboxamido, sulphonamido, C<sub>1</sub>-6 alkoxy carbonyl, trifluoromethyl, acyloxy, phthalimido, amino, mono- and di-C<sub>1</sub>-6 alkylamino, -O(CH<sub>2</sub>)<sub>r</sub>-NT<sub>2</sub>, in which r is 2, 3, or 4 and T is hydrogen or C<sub>1</sub>-6 alkyl or it forms with the adjacent nitrogen a group

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in which V and V<sub>1</sub> are independently hydrogen or oxygen and u is 0, 1 or 2;  
-O(CH<sub>2</sub>)<sub>s</sub>-OW<sub>2</sub> in which s is 2, 3, or 4 and W is hydrogen or C<sub>1-6</sub> alkyl; hydroxyalkyl,  
aminoalkyl, mono- or di-alkylaminoalkyl, acylamino, alkylsulphonylamino,  
aminoacylamino, mono- or di-alkylaminoacylamino; with up to four R<sub>3</sub> substituents  
being present in the quinoline nucleus;  
or R<sub>4</sub> is a group -(CH<sub>2</sub>)<sub>t</sub>- when cyclized onto R<sub>5</sub> as aryl, in which t is 1, 2, or 3;  
R<sub>5</sub> is branched or linear C<sub>1-6</sub> alkyl, C<sub>3-7</sub> cycloalkyl, C<sub>4-7</sub> cycloalkylalkyl, optionally  
substituted aryl, wherein an optional substituent is hydroxy, halogen, C<sub>1-6</sub> alkoxy or C<sub>1-6</sub>  
alkyl, or an optionally substituted single or fused ring heterocyclic group, having aromatic  
character, containing from 5 to 12 ring atoms and comprising up to four hetero-atoms in  
the or each ring selected from S, O, N;  
X is O, S, or N-C≡N.

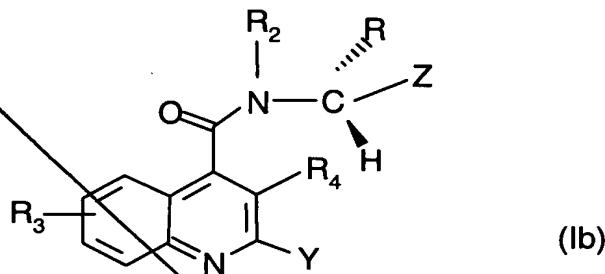
2. (Amended) A compound according to claim 1 in which:

Ar is phenyl, or phenyl [optionally] substituted by C<sub>1-6</sub> alkyl or halogen[;] or thienyl or  
[aC<sub>5-7</sub>] a C<sub>5-7</sub> cycloalkadienyl group[;].

Please add new claims 17-25, as follows:

A3  
T966X

23-X A compound, or solvate or salt thereof, of formula (Ib):



in which:

R is linear or branched C<sub>1-8</sub> alkyl, C<sub>3-7</sub> cycloalkyl, C<sub>4-7</sub> cycloalkylalkyl, an optionally  
substituted phenyl group or a phenyl C<sub>1-6</sub> alkyl group, an optionally substituted five-  
membered heteroaromatic ring comprising up to four heteroatoms selected from O and N,  
hydroxy C<sub>1-6</sub> alkyl, amino C<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkylaminoalkyl, di C<sub>1-6</sub> alkylaminoalkyl,  
C<sub>1-6</sub> acylaminoalkyl, C<sub>1-6</sub> alkoxyalkyl, C<sub>1-6</sub> alkylcarbonyl, carboxy, C<sub>1-6</sub>

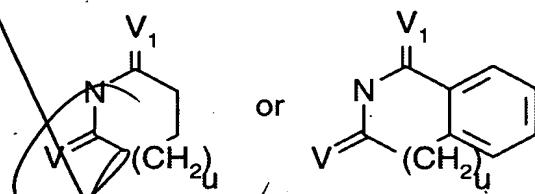
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alkoxycarbonyl, C<sub>1</sub>-6 alkoxy carbonyl C<sub>1</sub>-6 alkyl, aminocarbonyl, C<sub>1</sub>-6 alkylaminocarbonyl, di C<sub>1</sub>-6 alkylaminocarbonyl, halogeno C<sub>1</sub>-6 alkyl; or is a group -(CH<sub>2</sub>)<sub>p</sub>- when cyclized onto Ar, where p is 2 or 3;

R<sub>1</sub> and R<sub>2</sub>, which may be the same or different, are independently hydrogen or C<sub>1</sub>-6 linear or branched alkyl, or together form a -(CH<sub>2</sub>)<sub>n</sub>- group in which n represents 3, 4, or 5; or R<sub>1</sub> together with R forms a group -(CH<sub>2</sub>)<sub>q</sub>-, in which q is 2, 3, 4 or 5;

R<sub>3</sub> and R<sub>4</sub>, which may be the same or different are independently hydrogen, C<sub>1</sub>-6 linear or branched alkyl, C<sub>1</sub>-6 alkenyl, aryl, C<sub>1</sub>-6 alkoxy, hydroxy, halogen, nitro, cyano, carboxy, carboxamido, sulphonamido, C<sub>1</sub>-6 alkoxy carbonyl, trifluoromethyl, acyloxy, phthalimido, amino, mono- and di-C<sub>1</sub>-6 alkylamino, -O(CH<sub>2</sub>)<sub>r</sub>-NT<sub>2</sub>, in which r is 2, 3, or 4 and T is hydrogen or C<sub>1</sub>-6 alkyl or it forms with the adjacent nitrogen a group



in which V and V<sub>1</sub> are independently hydrogen or oxygen and u is 0, 1 or 2;

-O(CH<sub>2</sub>)<sub>s</sub>-OW<sub>2</sub> in which s is 2, 3, or 4 and W is hydrogen or C<sub>1</sub>-6 alkyl; hydroxyalkyl, aminoalkyl, mono- or di-alkylaminoalkyl, acylamino, alkylsulphonylamino, aminoacylamino, mono- or di-alkylaminoacylamino; with up to four R<sub>3</sub> substituents being present in the quinoline nucleus;

or R<sub>4</sub> is a group -(CH<sub>2</sub>)<sub>t</sub>- when cyclized onto R<sub>5</sub> as aryl, in which t is 1, 2, or 3;

Z is phenyl or phenyl substituted by hydroxy, halogen, C<sub>1</sub>-6 alkoxy, C<sub>1</sub>-6 alkyl or Z is a single or fused ring heterocyclic group, having aromatic character, containing from 5 to 12 ring atoms and comprising up to four hetero-atoms in the or each ring selected from S, O, N or Z is C<sub>5</sub>-7 cycloalkdienyl; and

Y is C<sub>3</sub>-7 cycloalkyl, phenyl or phenyl substituted by hydroxy, halogen, C<sub>1</sub>-6 alkoxy, or C<sub>1</sub>-6 alkyl, or Y is a single or fused ring heterocyclic group, having aromatic character, containing from 5 to 12 ring atoms and comprising up to four hetero-atoms in the or each ring selected from S, O, N.

24 18. A compound according to claim 17 in which:  
Y is phenyl, thienyl, furyl, pyrryl or thiazolyl.

25 19. A compound according to claim 17, or a salt or solvate thereof, in which:  
Z is phenyl, 2-chlorophenyl, 2-thienyl or cyclohexadienyl;  
R is methyl, ethyl, n-propyl, -COOME or -COMe;

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R<sub>1</sub> and R<sub>2</sub> are each hydrogen or methyl;

R<sub>3</sub> is hydrogen, methoxy, or hydroxy;

A3  
CONF  
R<sub>4</sub> is hydrogen, methyl, ethyl, methoxy, hydroxy, amino, chlorine, bromine, dimethylaminoethoxy, 2-(1-phthaloyl)ethoxy, aminoethoxy, 2-(1-pyrrolidinyl)ethoxy, dimethylaminopropoxy, dimethylaminoacetylarnino, acetylarnino, or dimethylaminomethyl; and

Y is phenyl, 2-thienyl, 2-furyl, 2-pyrryl, 2-thiazolyl or 3-thienyl.

260. 23 A compound according to claim 17 selected from the group consisting of:

(+)-(S)-N-( $\alpha$ -methylbenzyl)-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(methoxycarbonyl)benzyl]-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(methoxycarbonyl)-1,4-cyclohexadienylmethyl]-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-methyl-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-6-bromo-3-methyl-2-(4-bromophenyl)quinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-6-bromo-3-methyl-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-methoxy-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-ethyl-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(aminomethyl)benzyl]-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-amino-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-chloro-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-bromo-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(methoxycarbonyl)-4-hydroxybenzyl]-2-phenylquinoline-4-carboxamide

hydrochloride;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-hydroxy-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(methoxycarbonyl)benzyl]-3-hydroxy-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(dimethylaminomethyl)benzyl]-2-phenylquinoline-4-carboxamide;

(-)-(R)-N-[ $\alpha$ -(carboxy)benzyl]-2-phenylquinoline-4-carboxamide hydrochloride;

(R)-N-[ $\alpha$ -(methoxycarbonyl)-4-methoxybenzyl]-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-(2-dimethylaminoethoxy)-2-phenylquinoline-4-carboxamide hydrochloride;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-acetylarnino-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-(3-dimethylaminopropoxy)-2-phenylquinoline-4-carboxamide hydrochloride;

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(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-[2-(1-phthaloyl)ethoxy]-2-phenylquinoline-4-carboxamide hydrochloride;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-(2-aminoethoxy)-2-phenylquinoline-4-carboxamide hydrochloride;

(+)-(S)-N-( $\alpha$ -ethylbenzyl)-3-[2-(1-pyrrolidinyl)ethoxy]-2-phenylquinoline-4-carboxamide hydrochloride;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-(dimethylaminoacetylarnino)-2-phenylquinoline-4-carboxamide;

(-)-(S)-N-( $\alpha$ -ethylbenzyl)-5-methyl-2-phenylquinoline-4-carboxamide;

(+)-(S)-N-( $\alpha$ -ethylbenzyl)-3-dimethylaminomethyl-2-phenylquinoline-4-carboxamide hydrochloride;

(S)-N-( $\alpha$ -ethylbenzyl)-3-methyl-7-methoxy-2-phenylquinoline-4-carboxamide;

(S)-N-( $\alpha$ -ethylbenzyl)-3-amino-5-methyl-2-phenylquinoline-4-carboxamide; and

(S)-N-( $\alpha$ -ethylbenzyl)-3-methoxy-5-methyl-2-phenylquinoline-4-carboxamide.

*Su3* 21. A pharmaceutical composition comprising a compound according to claim 17 or a pharmaceutically acceptable a salt or solvate thereof and a pharmaceutically acceptable carrier. *23*

*Su3* 22. A method for the treatment and/or prophylaxis of pulmonary disorders (asthma, chronic obstructive pulmonary diseases -COPD-, airway hyperreactivity, cough), skin disorders and itch (for example, atopic dermatitis and cutaneous wheal and flare), neurogenic inflammation and CNS disorders (Parkinson's disease, movement disorders, anxiety), convulsive disorders, epilepsy, renal disorders, urinary incontinence, ocular inflammation, inflammatory pain, eating disorders (food intake inhibition), allergic rhinitis, neurodegenerative disorders (for example Alzheimer's disease), psoriasis, Huntington's disease, and depression in mammals, which comprises administering to the mammal in need of such treatment and/or prophylaxis an effective, pharmaceutically acceptable, and non-toxic amount of a compound of formula (I), or a solvate or salt thereof, as defined in claim 17.

*Su3* 23. (-)-(S)-N-( $\alpha$ -ethylbenzyl)-3-hydroxy-2-phenylquinoline-4-carboxamide or a salt or solvate thereof. *40*

*Su3* 24. A pharmaceutical compositions comprising a compound according to claim 23 or a pharmaceutically acceptable a salt or solvate thereof and a pharmaceutically acceptable carrier. *40*